Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/20/2018 11:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125848	0	2.26	125859	2.27
Blue	F	SSC	125000	124795	-1	1.47	125542	1.48
Blue	E	FITC	15760	15509	-2	2.95	335	22.24
Blue	D	PE	25880	25393	-2	1.88	553	17.22
Blue	B	PerCP-Cy5-5	34075	33964	-1	4.20	1035	22.61
Blue	A	PE-Cy7	22776	22973	0	7.29	558	45.59
Red	C	APC	42488	41283	-3	3.13	1560	13.42
Red	A	APC-Cy7	24478	23964	-3	3.21	819	13.21
Violet	B	V450	6304	6072	-4	4.16	338	17.74
Violet	A	V500	26005	25061	-4	3.64	587	13.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20713	9.88	609	12	N/A	N/A	Pass
Blue	F	SSC	56503	1.02	573	18	N/A	N/A	Pass
Blue	E	FITC	58	74.13	563	7	0.0161	196	Pass
Blue	D	PE	114	59.67	556	7	0.1199	295	Pass
Blue	B	PerCP-Cy5-5	198	55.34	655	8	0.0075	90	Pass
Blue	A	PE-Cy7	108	110.24	709	12	0.0087	17	Pass
Red	C	APC	369	26.91	602	2	0.0193	29	Pass
Red	A	APC-Cy7	201	28.61	574	3	0.0046	779	Pass
Violet	B	V450	53	84.72	494	5	0.0305	2895	Pass
Violet	A	V500	87	45.62	511	5	0.0123	937	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.94	-31.28	0.96
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	17.52	13.60 - 20.40	N/A	N/A	31.19	31.81	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11443

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments